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inferior internal connecting or bridging convolution visible superficially, and completely separating the parieto-occipital from the calcarine, etc.

JANUARY 22.

The President, Dr. **RUSCHENBERGER**, in the chair.

Thirty-six members present.

The death of Edward Tatnall, Jr., was announced.

Habits and Intelligence of Vespa maculata.—Mr. **THOMAS MEEHAN** exhibited young branches of *Fraxinus excelsior*, and of the common lilac, which had been stripped of their bark during the summer by the large yellow hornet. The insects had been carefully watched at the work. They visited these trees in large numbers, and carried the strips of bark away in their mouths. For what purpose they used the bark could not well be ascertained. It was generally supposed that they collected the matter from which their huge nests of paper-like material were made, from fences and other dead woody matter. He thought it remarkable that the insect should collect from plants of the same natural order only, as far as careful examination of other plants in the vicinity could decide. This hornet, he observed, was gifted with great intelligence; on an occasion he had observed one with a summer locust, several times its own size, endeavoring to rise with it from the ground and fly away, but failed from the great weight of the locust. It then walked with its prey about thirty feet to a tall maple, which it ascended to the top, and then flew off with its burden in a horizontal direction. There was more than instinct in this act. There was reasoning on certain facts and judgment accordingly, and the insect's judgment had proved correct.

JANUARY 29.

The President, Dr. **RUSCHENBERGER**, in the chair.

Forty-seven members present.

A paper, entitled "On the Association of Grossularite, Zoisite, Heulandite, and Leidyite, a new Species," by Geo. A. Koenig, was presented for publication.

The Mode of Recognition among Ants.—The following statements were made by Mr. **McCOOK** of certain tentative experiments upon two species of ants, as to the mode of recognizing each other,